Title (en)

MULTIPLE ION INJECTION IN MASS SPECTROMETRY

Title (de)

MEHRIONEN-INJEKTION BEI DER MASSENSPEKTROMETRIE

Title (fr)

INJECTION IONIQUE MULTIPLE EN SPECTROMETRIE DE MASSE

Publication

EP 1894226 B1 20180627 (EN)

Application

EP 06744039 A 20060531

Priority

- GB 2006001976 W 20060531
- GB 0511083 A 20050531

Abstract (en)

[origin: WO2006129083A2] This invention relates to mass spectrometry that includes ion trapping in at least one of the stages of mass analysis. In particular, although not exclusively, this invention relates to tandem mass spectrometry where precursor ions and fragment ions are analysed. A method of mass spectrometry is provided comprising the sequential steps of: accumulating in an ion store a sample of one type of ions to be analysed; accumulating in the ion store a sample of another type of ions to be analysed; and mass analysing the combined samples of the ions.; wherein the method comprises accumulating the sample of the one type of ions and/or the sample of another type of ions to achieve a target number of ions based on the results of a previous measurement of the respective type of ions.

IPC 8 full level

H01J 49/42 (2006.01)

CPC (source: EP US)

H01J 49/0009 (2013.01 - US); **H01J 49/0031** (2013.01 - EP US); **H01J 49/004** (2013.01 - EP US); **H01J 49/14** (2013.01 - US); **H01J 49/4265** (2013.01 - EP US)

Citation (examination)

- US 2004183007 A1 20040923 - BELOV MIKHAIL [US], et al
- US 5179278 A 19930112 - DOUGLAS DONALD J [CA]

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

WO 2006129083 A2 20061207; **WO 2006129083 A3 20071025**; CA 2610051 A1 20061207; CA 2610051 C 20140708; CN 101213634 A 20080702; CN 101213634 B 20130227; CN 103094052 A 20130508; CN 103094052 B 20160615; EP 1894226 A2 20080305; EP 1894226 B1 20180627; EP 3410464 A1 20181205; GB 0511083 D0 20050706; JP 2008542739 A 20081127; JP 2012186180 A 20120927; JP 5198260 B2 20130515; JP 5544397 B2 20140709; US 2008203288 A1 20080828; US 2011147582 A1 20110623; US 2013228679 A1 20130905; US 2014183347 A1 20140703; US 7880136 B2 20110201; US 8410424 B2 20130402; US 8686350 B2 20140401; US 9536717 B2 20170103

DOCDB simple family (application)

GB 2006001976 W 20060531; CA 2610051 A 20060531; CN 200680024311 A 20060531; CN 201310011734 A 20060531; EP 06744039 A 20060531; EP 18176607 A 20060531; GB 0511083 A 20050531; JP 2008514186 A 20060531; JP 2012138461 A 20120620; US 201113008790 A 20110118; US 201313853603 A 20130329; US 201414201560 A 20140307; US 91573506 A 20060531